

APPENDIX C

ROAD SURFACE AREA



C - Road Surface Area



Road Surface Area

Determining Road Surface Area

The following is intended as an aid to determine the surface area of roads.

1. Determine the road acreage for each segment of the road system from the Road Surface Area table given below.
2. Combine the acreage of each road segment to determine the total acreage of the entire road system.

Multiply the total acreage of the road system by the recommended application/acre of the appropriate revegetating material (e.g., fertilizer, seed mix, mulch, etc.) to determine the total amount of materials needed.

Table 15 Guide for Determining Road Surface Area							
Road Length (feet)	Road Width (feet)						
	8	10	12	14	16	18	20
	A C R E S						
50	0.01	0.01	0.01	0.02	0.02	0.02	0.02
100	0.02	0.02	0.03	0.03	0.04	0.04	0.05
250	0.05	0.06	0.07	0.08	0.09	0.10	0.11
500	0.09	0.12	0.14	0.16	0.18	0.21	0.23
750	0.14	0.17	0.21	0.24	0.27	0.31	0.34
1,000	0.18	0.24	0.28	0.32	0.37	0.41	0.46
1,500	0.28	0.34	0.41	0.48	0.55	0.62	0.69
2,000	0.36	0.48	0.56	0.64	0.73	0.83	0.92
5,000	0.92	1.15	1.38	1.61	1.80	2.07	2.30
5,280	0.97	1.21	1.45	1.70	1.94	2.18	2.43
Wider road widths can be calculated by using multiples from this table.							



C - Road Surface Area

Determining Road Surface Material

The following is intended as an aid to determine the surface area of forest roads.

Table 16 Surface Material Determination for Roads			
Cubic Yards of Surfacing Material Per 100 Feet of Road Length			
Road Width (feet)	Surfacing Material Thickness		
	2 Inches	4 Inches	6 Inches
8	5	10	15
10	6	12	19
12	7	15	22
14	9	17	26
16	10	20	30
18	11	22	33
20	12	25	37
22	14	27	41
24	15	30	44

[illegible]



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[illegible]